

## WHAT IS CLAIMED IS:

1. A recording apparatus for recording AV data containing at least one of audio data and video data, and recovery data for restoring management information for the AV data when AV data recording did not end normally, characterized by recording the recovery data interleaved with the AV data during AV data recording.
2. A recording apparatus as described in claim 1, wherein the recovery data contains recording address information for the recorded AV data.
3. A recording apparatus as described in claim 1, wherein the recovery data contains file management information for the recorded AV data.
4. A recording apparatus as described in claim 1, wherein the recovery data contains playback time information for the recorded AV data.
5. A recording apparatus as described in claim 1, wherein the AV data is MPEG-encoded data, and the recovery data contains a start address for an I-picture in the recorded AV data.
6. A recording apparatus as described in claim 1, wherein recovery data address information indicating the

location of the recovery data is stored in a predefined area.

7. A recording apparatus as described in claim 6,  
wherein the recovery data address information comprises  
5 multiple banks.

8. A recording apparatus as described in claim 1,  
wherein recovery data address information indicating the  
address of the recovery data is stored in a recovery data  
10 file of a predetermined name.

9. A recording apparatus as described in claim 8,  
comprising multiple recovery data files.

10. A recording apparatus as described in any of  
claims 6 to 9, wherein the recovery data address  
information includes a serial number or time information.

11. A recording apparatus as described in claim 1,  
20 wherein the recovery data is divided into at least two data  
segments that are recorded interleaved with the AV data  
when recording the AV data.

12. A recording apparatus as described in claim 11,  
25 wherein the segmented recovery data contains a recording  
address of previously segmented and recorded recovery  
data.

13. A recording apparatus as described in claim 11,  
wherein the segmented recovery data contains difference  
information from the previously segmented and recorded  
5 recovery data.

14. A recording apparatus as described in any of  
claims 1 to 13, wherein the recovery data contains address  
information for the next recovery data.

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15. A recording apparatus as described in any of  
claims 1 to 14, wherein identification information for  
distinguishing the recovery data from other recorded data is  
recorded with the recovery data.

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16. A recording apparatus as described in any of  
claims 1 to 16, wherein the recovery data is interleaved  
with AV data of a specific size.

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17. A recording apparatus as described in claim 1,  
wherein address information denoting where the recovery  
data is recorded is stored in nonvolatile memory.

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18. A recording apparatus as described in claim 17,  
wherein the nonvolatile memory is removable.

19. A recording method for recording AV data

containing at least one of audio data and video data, and recovery data for restoring management information for the AV data when AV data recording did not end normally, characterized by recording the recovery data interleaved with the AV data during AV data recording.

20. A recording method as described in claim 19, wherein recovery data address information indicating the location of the recovery data is stored in a predefined area.

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21. A recording method as described in claim 19, wherein recovery data address information indicating the address of the recovery data is stored in a recovery data file of a predetermined name.

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22. A recording method as described in claim 19, wherein the recovery data is divided into at least two data segments that are recorded interleaved with the AV data when recording the AV data.

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23. A recording method as described in claim 19, wherein address information denoting where the recovery data is recorded is stored in nonvolatile memory.